

# ENVIRONMENTAL CHECKLIST

## *Purpose of Checklist:*

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

## *Instructions for Applicants:*

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

## *Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

### A. BACKGROUND

1. Name of proposed project, if applicable:

**Polychlorinated Biphenyl (PCB) source control Interim Actions and investigation of trichloroethene (TCE) groundwater contamination**

2. Name of applicant: **The Boeing Company**

3. Address and phone number of applicant and contact person:

**3003 West Casino Road, Everett, Washington 98203**

mailing address: **P.O. Box 3707, MC OH-13**

contact person: **Mr. Dirk Fieldcamp** (425) 342-5343

4. Date checklist prepared: **June 29, 2004**

5. Agency requesting checklist: **Washington State Department of Ecology Northwest Regional Office**

6. Proposed timing or schedule (including phasing, if applicable):

**There are two unrelated parts in this proposal. Both parts of this proposal will be completed under the second amendment to Agreed Order No. 96HS-N274 with the Washington State Department of Ecology. Agreed Order No. 96HS-N274, signed in 1997, implemented the RCRA Corrective Action Remedial Investigation\Feasibility Study on the Boeing Everett Plant.**

**The first part of this proposal is the source control interim actions and investigation of PCBs that are entering the stormwater system, man-made wetlands and Powder Mill Creek. The source of PCB's is from suspended solids contaminated by PCB containing concrete joint sealant in pavement. Completion of Powder Mill Gulch Detention Basin modifications is expected to be completed in 2004. This modification consists of the construction of an eight feet high concrete riser over the existing outlet. Work plans for sampling of the Everett Plant stormwater storage, treatment and conveyance systems for PCBs and other dangerous constituents, characterization of the peat filters, continued sampling to monitor PCBs and other dangerous constituents in surface water, sediment and groundwater downstream of the stormwater conveyance system and decontamination of the stormwater conveyance and treatment system will be submitted to the Department of Ecology (Ecology) in 2004. The work plans will be subject to Ecology approval. Work conducted under these work plans will be in accordance with a schedule agreed to by Ecology.**

**The second part of the proposal is the investigation of the TCE contamination in the groundwater which is expected to be completed in 2004. This is part of an on-going investigation under the Agreed Order.**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes explain.

**No.**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

**Draft Remedial Investigation Report for Sediments, Surface Water, and Accumulated Solids Report (revision 1.0), BCAG Everett Plant, Everett, Washington, prepared by URS for The Boeing Company, October 5, 2001**

**Memorandum, Mark Molinari (URS) to Nick Garson (Boeing), Results and Recommendations of Supplemental Remedial Investigation of Groundwater in Powder Mill Gulch, Boeing Everett Plant (Rev. 3), June 3, 2004**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

**No.**

10. List any government approvals or permits that will be needed for your proposal, if known.

**A Public Works Permit with the City of Everett will be needed to install and sample install monitoring wells to investigate the TCE contamination in groundwater.**

**A Building Permit with the City of Everett will be required for the Detention Basin riser.**



11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

The proposed work will be completed under the second amendment to Agreed Order No. 96HS-N274 with the Washington State Department of Ecology. Agreed Order No. 96HS-N274, signed in 1997, implemented the RCRA Corrective Action Remedial Investigation\Feasibility Study on the Boeing Everett Plant.

Independent of the Agreed Order, PCB contamination was discovered in the stormwater system, and the source was determined to be PCB containing concrete pavement joint sealant. With approval from the Environmental Protection Agency (EPA), Boeing is voluntarily removing the joint sealant and is expected to remove all the sealant by October 31, 2006. Investigation of the stormwater system, man-made wetlands and Powder Mill Creek under the Agreed Order has determined the presence of PCBs.

The first part of the proposal is to sample the Everett Plant stormwater storage, treatment and conveyance systems for PCBs and other dangerous constituents, evaluate the presence of dangerous constituents in the peat filters, continue sampling to monitor PCBs and other dangerous constituents in surface water, sediment and groundwater downstream of the stormwater conveyance system and to decontaminate the stormwater conveyance and treatment system after the source of PCBs has been removed.

TCE contamination in the Esperance Sand aquifer was discovered as part of the RI.

The second part of this proposal is to continue investigation of TCE contamination in the Esperance Sand aquifer.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The location of proposed project in the Boeing Commercial Airplanes, Everett Plant at 3003 West Casino Road in Everett, Washington. A map is attached. Some work will occur in areas north of the Everett Plant along Powder Mill Creek.

TO BE COMPLETED BY APPLICANT

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other \_\_\_\_\_

b. What is the steepest slope on the site (approximate percent slope)?

**The area of investigation is adjacent to Powder Mill Creek and is relatively flat with some steep embankments characteristic of a stream bed. The creek is in a ravine.**

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

**The predominant soil underlying the site consists of (in downward succession); Vashon Till [weathered glacial till (consolidated silty sand with gravel), glacial till], Esperance Sand (sand and gravel), and Lawton Clay (fine grained silts and clays). In the shallower depths, there can be various fill materials such as reworked glacial till, sand and gravel. In undeveloped areas, peat and forest duff can be found on or near the surface.**

d. Are there surface indications of history of unstable soils in the immediate vicinity? If so, describe.  
**Yes. There is natural erosion along Powder Mill creek and areas where sloughing and slides have occurred in the past.**

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

**This proposal includes no filling or grading.**

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.  
**No.**

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

**No change in impervious surface will result from this project.**

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

**Drilling operations for subsurface soil sampling and installation of groundwater monitoring wells will be performed according to WAC 173-160.**

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

**Emissions to the air will consist of dust and engine exhaust from drilling operations, and exhaust from vehicles used to transport personnel and equipment.**

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

**None known.**



c. Proposed measures to reduce or control emissions or other impacts to air, if any:

**Dust from drilling operations will be controlled using conventional means such as the use of water spray and dust control equipment.**

### 3. Water

#### a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

**The proposal includes investigation of the Powder Mill Gulch area which includes Powder Mill Creek, a man-made wetland, and a stream that connects the wetland with Powder Mill Creek. There is a small wetland (Wetland A) adjacent to Powder Mill Creek south of Seaway Blvd. There is a wetland near the creek on City of Everett property north of Seaway Boulevard**

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

**Yes, work in or within 200 feet of surface water bodies will be limited to soil, groundwater, surface water, and sediment sampling. A plan is not available. These activities will be described by work plans required by the agreed order and approved by Ecology. Disturbance of the land surface will be minimal.**

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

**Fill and dredge material will not be placed in or removed from surface water or wetlands except the minimal quantity required for sampling.**

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

**No, except the small quantity required for sampling.**

- 5) Does the proposal lie within a 100-year flood plain? If so, note location on the site plan.

**No.**

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

**No.**

#### b. Ground:

- 1) Will ground water be withdrawn or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

**Minimal quantities of groundwater will be withdrawn for the purpose of sampling.**

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals ...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

**No waste material will be discharged into the ground.**

c. Water Runoff (including storm water):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

**Does not apply.**

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

**No.**

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

**Does not apply.**

#### 4. Plants

a. Check or circle types of vegetation found on the site:

- ☒ deciduous tree: alder, maple, aspen, or other  
☒ evergreen tree: fir, cedar, pine, other  
☒ shrubs  
☒ grass  
☐ pasture  
☐ crop or grain  
☒ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other  
☒ water plants: water lily, eelgrass, milfoil, other  
☐ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

**Limited vegetation will be removed to install wells and provide access for equipment.**

c. List threatened or endangered species known to be on or near the site.

**No threatened or endangered species are known to be on or near the site.**

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

**None.**

#### 5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other: (owl, duck, goose, quail).....  
Mammals: deer, bear, elk, beaver, other: (rodent, coyote, raccoon).....  
fish: bass, salmon, trout, herring, shellfish, other:.....

b. List any threatened or endangered species known to be on or near the site.

**No threatened or endangered species are known to be on or near the site.**

c. Is the site part of migration route? If so, explain.

**This site has limited use for migratory waterfowl and raptors.**

d. Proposed measures to preserve or enhance wildlife, if any:

**None.**



6. **Energy and Natural Resources**

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

**Electric, propane, diesel and gasoline powered mobile equipment. This proposal does not include any permanent powered equipment.**

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

**No.**

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

**None.**

7. **Environmental Health**

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

**Environmental health hazards will consist of contact with and proximity to potentially contaminated media (soil, sediments, water) by the personnel performing sampling. Waste materials will consist of spent decontamination supplies (wash water, rags, etc.). No nonroutine risk of fire and explosion will result from this project.**

- 1) Describe special emergency services that might be required.

**No special emergency services will be required for this project. The plant's normal services such as medical, spill response, and fire protection will be available as will be local municipal services.**

- 2) Proposed measures to reduce or control environmental health hazards, if any:

**Operations that may involve contact with contaminated media will be performed by trained personnel according to work plan(s) approved by Ecology. Appropriate personal protective equipment will be used.**

- b. **Noise**

- (1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

**None.**

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

**Noise associated with drilling (e.g. hollow stem auger, air rotary) may be created on a short-term basis. In addition, noise associated with movement of equipment will occur.**

- 3) Proposed measures to reduce or control noise impacts, if any:

**None.**

## 8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

The current use of the Boeing Everett Plant is heavy manufacturing, office, paved vehicle parking areas, paved areas for transport and staging of heavy materials and aircraft, graded but otherwise undeveloped areas, stormwater collection and detention features, and landscaped and open space areas. The steepness of the the slopes on both sides of creek preclude development, and therefore these areas are wooded. The area near Port Gardner Bay is currently a BNSF rail line.

b. Has the site been used for agriculture? If so, describe.

Do not know. The site and surrounding areas are currently not used for agriculture.

c. Describe any structures on the site.

Office and manufacturing buildings are located on the Everett Plant. The area subject to this proposal has paved stormwater basins, dams and other stormwater features.

d. Will any structures be demolished? If so, what?

No.

e. What is the current zoning classification of the site?

The City of Everett land use designation of the majority of the Boeing Everett Plant is heavy industrial (land use designation 5.1) and office and industrial park (5.4). The Powder Mill creek area is designated as Open Space (2.0) directly north of the Boeing Everett Plant. The northern half (approximately) of the creek is designated residential (1.1) except where it flows into Port Gardner Bay where the designation is Conservancy\Recreation (7.2).

f. What is the current comprehensive plan designation of the site?

Manufacturing/Industrial (Southwest Everett Comprehensive Plan). The designation of the area north of the Everett Plant along and adjacent to Powder Mill Creek is residential.

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

The wetlands and Powder Mill creek (see 3.a.1 above) are environmentally sensitive.

i. Approximately how many people would reside or work in the completed project?

The completed project will not result in any change in the number of people working or living in the proposal area.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The proposed activities are compatible with current use of the Everett Plant and area along Powder Mill Creek.



9. **Housing**

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

**None.**

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

**None.**

- c. Proposed measures to reduce or control housing impacts, if any:

**None.**

10. **Aesthetics**

- a. What is the tallest height of any proposed structures(s), not including antennas; what is the principal exterior building material(s) proposed?

**No new construction is proposed.**

- b. What views in the immediate vicinity would be altered or obstructed?

**None.**

- c. Proposed measures to reduce or control aesthetic impacts, if any:

**None.**

11: **Light and Glare**

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

**No light or glare will result from the completed project.**

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

**No.**

- c. What existing off-site sources of light or glare may affect your proposal?

**None.**

- d. Proposed measures to reduce or control light and glare impacts, if any:

**None.**

12. **Recreation**

- a. What designated and informal recreational opportunities are in the immediate vicinity?

**None.**

- b. Would the proposed project displace any existing recreational uses? If so, describe.

**No.**

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

**None.**

### 13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

**None.**

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

**None known.**

- c. Proposed measures to reduce or control impacts, if any:

**None.**

### 14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

**The plant is bounded by Seaway Boulevard to the east and north and Airport Road to the east. The site is split by SR 526 that runs east to west.**

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

**Yes.**

- c. How many parking spaces would the completed project have? How many would the project eliminate?

**There will be no change in the number of parking spaces.**

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

**No.**

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

**There is a rail spur coming into the western portion of the site. Snohomish County Airport (Paine Field) is located south and to the west of the site. The completed project will not use any of the above listed means of transportation.**

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

**The completed project will not change the number of vehicular trips.**

- g. Proposed measures to reduce or control transportation impacts, if any:

**A traffic control plan will be developed and implemented for installation of wells near or on public roads.**

### 15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

**No.**

- b. Proposed measures to reduce or control direct impacts on public services, if any.

**None.**



16 Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other (steam, compressed air).
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.  
**No new utility service will be required. All other activities of the project will use existing utility connections or temporary mobile utility service (e.g. portable generators)**

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Alan Sugino

Date Submitted: July 8, 2004

TO BE COMPLETED BY APPLICANT

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS  
(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, flood plains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?



TO BE COMPLETED BY APPLICANT

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.